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Primarily means a composite material system made with layers of fiber ... is "wet" or encapsulated by the matrix polymer resin in a composite sheet. ... www.compositesnews.com/content.asp?pageid=1450&ArticleID=6696 - 63k -Cached - Similar pages

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131 6592968 **Composite sheet** intended for drawing, comprising a main ... 245 6585839
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Class 428 provides for coated **fiber** containing **sheets** that are coated after the **...** 47+,, for a **composite sheet** or web comprising a **layer** sectional in two **...** www.uspto.gov/go/classification/uspc428/defs428.htm - Similar pages

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layer thereof, and subclasses 454+ for. a nonstructural **composite sheet** or ... **fiber**, tow, or **film** in a specified way, whether ...

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Thin **film** solar cell **sheets** manufactured by means of a roll-to-roll process, ... Specifically, the **layer** of **fiber** glass covers almost all the front and back ... www.senternovem.nl/.../Fotovoltaische%20zonnecellen%20Octrooioverzicht%20Bijlage% 2019-09-06 tcm24-196874.xls - <u>Similar pages</u>

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1.1.1. **Fiber** Reinforced **Polymer Composite** Materials. **Fiber** reinforced ... However, the effect of FRP **composite sheet** wrapping on the corrosion process is ... 168.166.124.22/RDT/reports/Ri99007/RDT04021.pdf - <u>Similar pages</u>

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Traveling wave at 37.8 kHz in a 0.178 mm thick, anisotropic, carbon fiber composite

sheet. with an isotropic resin matrix. The fibers are parallel with the ...

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353, 350, AAC3028113, Design of a carbon fiber composite grid structure for the ... 772,

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Continuous production and packaging of perishable goods in low ...

238 and 239, a non compress composite sheet is shown in FIG. ... coaxial cable, fiber-

optic, wireless links or other communication links known to those ...

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[PDF] Table 22 - Work Results

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processes of biciids containing thermoplastic polymers with additives. ... A Dutch

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[DOC] SECTION 900 - MATERIALS DETAILS

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The membrane shall be a composite sheet material composed of a non-woven fabric ...

Fiber optic cable shall contain four stranded multimode, graded index, ...

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radiation resistant optical fiber. Date Lodged: 27 Feb 2006 ... Composite sheet insulation.

Divisional earlier date under section 15 (4). GB0423304.5 ...

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[PDF] The Patents & Designs Journal 5818

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Composite sheet material for use as a. window in a vehicle or a building ... multi-layer film

therefor. Priorities: [CA2271973 14 May 1999] ... www.patent.gov ik/2000-5818.pdf - Similar pages

[PDF] 663 SECTION 900 - MATERIALS DETAILS SECTION 901 - PCC MATERIALS ...

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The membrane shall be a **composite sheet** material composed of a non-woven ... **Fiber** optic cable shall contain four. stranded multimode, graded **index**, ... in gov/dot/div/contracts/standards/book/archive/sep03/9-1999.pdf - Similar pages

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Webster's Online Dictionary - The Rosetta Edition

APPARATUS AND METHOD FOR ATTACHING REINFORCEMENT TO A FLEXIBLE SHEET ... APPARATUS AND METHOD FOR FORMING FIBER FILLED THERMOPLASTIC COMPOSITE MATERIALS ...

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Ref #	Hits	Search Query	DBs	Default Operat or	Plural s	Time Stamp
L1	1077	composite near sheet and thermoplastic and reinforc\$5 near fiber	US-PGPU B; USPAT; USOCR; EPO; JPO; DERWEN T; IBM_TDB	OR	ON	2006/11/06 16:06
L2	13	composite near sheet and thermoplastic and reinforc\$5 near fiber and layer and film and oxygen near (index or permeat\$4)	US-PGPU B; USPAT; USOCR; EPO; JPO; DERWEN T; IBM_TDB	OR	ON	2006/11/06 16:06
L4	12	composite near2 sheet and thermoplastic and reinforc\$5 near2 fiber and layer\$4 and film and oxygen near2 (index or permeat\$4) and coat\$4 and (fiber or fibre) and reinforc\$4 and sheet and composite and polymer	US-PGPU B; USPAT; USOCR; EPO; JPO; DERWEN T; IBM_TDB	OR	ON	2006/11/06 16:07
L6	2	blend and process and "5115077"	US-PGPU B; USPAT; USOCR; EPO; JPO; DERWEN T; IBM_TDB	OR	ON	2006/11/06 16:07

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L7	14	composite near4 sheet and thermoplastic and	US-PGPU B;	OR	ON	2006/11/06 16:08
		reinforc\$5 near2 fiber and layer\$4 and film and oxygen near4 (index or permeat\$4) and coat\$4 and (fiber or fibre) and reinforc\$4 and sheet and composite and polymer	USPAT; USOCR; EPO; JPO; DERWEN T; IBM_TDB			10.00
L8	13	composite near4 sheet and thermoplastic and reinforc\$5 near2 fiber and layer\$4 and film and oxygen near (index or permeat\$4) and coat\$4 and (fiber or fibre) and reinforc\$4 and sheet and composite and polymer	US-PGPU B; USPAT; USOCR; EPO; JPO; DERWEN T; IBM_TDB	OR	ON	2006/11/06 16:08
L9	13	composite near4 sheet and thermoplastic and reinforc\$5 near fiber and layer\$4 and film and oxygen near (index or permeat\$4) and coat\$4 and (fiber or fibre) and reinforc\$4 and sheet and composite and polymer	US-PGPU B; USPAT; USOCR; EPO; JPO; DERWEN T; IBM_TDB	OR	ON	2006/11/06 16:08

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scrim

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Dictionary



scrim (skrĭm) 🚄

n.

- 1. A durable, loosely woven cotton or linen fabric used for curtains or upholstery lining or in industry.
- 2. A transparent fabric used as a drop in the theater to create special effects of lights or atmosphere.

[Origin unknown.]

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BARRON'S

scrim

- 1. Gauzelike curtain used in theater, motion picture, and television presentations to give special lighting effects. When illuminated from one side, the material is translucent; when illuminated from the other side, it is opaque. Therefore, a scrim can be used to give the illusion of a wall; then, with a change in lighting, the audience can see the action going on behind the wall.
- 2. Translucent material used to diffuse or decrease the light intensity from a lighting instrument. Scrims are frequently used on scoops or other floodlights to heighten their soft light quality.

▼Continued below...

WordNet



The noun scrim has one meaning:

Meaning #1: a firm open-weave fabric used for a curtain in the theater

▼Continued below...

Wikipedia



scrim

A scrim or g. ze is a very light <u>textile</u> made from <u>cotton</u>, or sometimes <u>flax</u>. Its light weight and translucence means it is often used for making <u>curtains</u>. The fabric can also be used for <u>bookbinding</u> and <u>upholstery</u>.

Scrims have also seen extensive use in <u>theatre</u>. The variety used for <u>special effects</u> is properly called <u>sharktooth scrim</u>. However, in theater a scrim can refer to any such thin screen, and are made out of a wide variety of materials. The advantage of scrims is that when lit from the front they can appear <u>opaque</u> to the audience, until a change in <u>stage lighting</u> (lighting from behind) makes them almost fully transparent. When lighting behind a scrim to make objects "appear" behind it, the scrim itself should not be lit, as it will detract from the translucency. Lighting to make the scrim appear opaque should be done at an oblique angle to the scrim. The general rule is anything lit behind the scrim (even lights that originate from the front) will be seen by the audience. Scrim has a rectangular weave that is similar in size in its openings to a window screen.

Scrim is not to be confused with bobbinette, an often used substitute. Bobbinette has a more open weave than Sharkstooth scrim, and therefore it is harder to hime the objects behind. Bobbinette also has a hex weave.

Scrim can also be used in theatre in combination with a <u>cyclorama</u> or backdrop. The idea is similar to the other uses. When the drop is lit (or images or video are rear-projected onto the back of the drop), the images or colours projected are visible. However when the drop is not lit, the images or colours will disappear. A scrim can also help dull the image, creating a greater sense of depth.

An undesirable effect is caused by layering two scrims, or even by placing a mirror behind a scrim and lighting it: the familiar <u>moire effect</u>. This can often cause audience disorientation.

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Titre du document / Document title

(Moisture sorption and diffusion in polyacrylonitrile fiber : Interaction between nitrile groups and sorbed water)

Auteur(s) / Author(s)

FUKUDA M. (1):

Affiliation(s) du ou des auteurs / Author(s) Affiliation(s)

⁽¹⁾ Textile Materials Science Laboratory, Department of Practical Life Studies, Hyogo University of Teacher Education, Yashiro-cho, Hyogo, 673-14, JAPON

Résumé / Austract

Moisture sorption properties of polyacrylonitrile (PAN) fiber has been investigated. Sorption isotherm at 25°C and heat of wetting for PAN fiber were compared with those for acrylic fibers with known chemical compositions. The moisture regain at 65% r.h. was 1.37% (w/w) and heat of wetting for the dried PAN fiber was 0.6 cal/g, which were comparable values to those for the acrylic fibers. Diffusion of moisture into PAN fiber was observed using a gravimetric method at 25°C. The sorption/desorption curve below 70% r.h. was nearly identical, which indicated that interaction between water molecules and nitrile group in polymer chain was not significant. The results obtained in this study suggest that the averaged interaction between water and nitrile group is very weak. On the other hand, the exothermic property for heat of wetting and IR spectrum pattern for OH stretching indicated the possibility of the strong interaction between the sorbed water molecules and a very few nitrile groups.

Revue / Journal Title

Sen'i Gakkaishi (Sen'i Gakkaishi) ISSN 0037-9875 CODEN SENGA5

Source / Source

1997, vol. 53, nº8, pp. 313-320 (31 ref.)

Langue / Language

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Editeur / Publisher

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Mots-clés anglais / English Keywords

Polyacrylonitriles; Synthetic fibers; Humidity effect; Sorption; Regain; Molecule scattering; Intermolecular interaction; Comparative study; Acrylics; Electroenergetics;

Mots-clés français / French Keywords

Acrylonitrile polymère; Fibre synthétique; Action humidité; Sorption; Reprise humidité; Diffusion molécule; Interaction intermoléculaire; Etude comparative; Acrylique dérivé polymère; Electroénergétique;

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